

HighPower XTC Score Tracking

JeffMinder@ResilientIdeas.com, Updated: 2026.05.12

Overview

XTC Score Tracking is now available online for anyone to try. This is a great way to see how the application works and get a feel for features. The demo environment uses real-world data. You may filter, sort, add, edit, and delete data.



[HighPower XTC Score Tracking \(Demo\)](#) ← **Check it out!**

Save and track shooting data and scores while at the range, on the ride home or at home in the recliner. Send details of a match to your friends via text or email to say “Look what I did!”. Graph performance over time, track improvements, and prevent past mistakes.



Features

- Works on PC, Mac, tablet, mobile devices
- Match calendar, range details with navigation
- Score, rifle, load, elevation, and range tracked
- Ammo requirement calculator for matches
- Round count per rifle, with indexing
- Frequency graphs: Rifle, Locale, Event, Match
- Elevation tracking and estimation
- Wind drift calculations
- Configure ballistic constants for wind drift
- Online/Offline usage
- Performance statistics: Yearly averages, Offhand, Sitting, Rapid Prone, and Slow Prone
- Multi-user (under development)

Index

Features	1
Index	2
Frequently Asked Questions	3
1. Getting Started	3
2. Enter Match Data	3
3. Add New Rifle	4
4. Graphing & Filters	5
5. Round Count	5
6. Round Indexing	7
7. Schedule/Calendar	8
8. Filter Schedule/Calendar by State	11
9. Practice Sessions	12
10. Elevation	13
11. Elevations Not Graphing	14
12. Elevation Auto-Compute	15
13. Sitting: Score not shown	16
14. Scoring Components	17
15. WindDrift Reference Image	17
16. Usage Statistics	18
17. Load Data	21
18. Score Format	21
19. Load Statistics	22
20. Ammo Required	23
21. Application Upgrades	24
22. About Screen	25
23. Usage Statistics	25
24. Range Directory	25
25. Notes & Match Conditions	27
26. Tracking Leg Points	28
27. Wind Drift	29
28. Ballistic Constants	31
29. Elevation Hard-Copy	32
30. No Cell Service	34
31. Multi-User	34
32. Importing Prior Data	35

Frequently Asked Questions

1. Getting Started

Request [application admin](#) to create your account.

2. Enter Match Data

As you enter match details, corresponding tabs will populate accordingly.

To enter details for a new match:

1. Click the '+' symbol on the score details tab at the bottom.
2. Required fields are shown with an asterisk beside the field name.
3. Rifle & Location fields require additional details.
 - a. Rifle requires an entry, or choose existing rifle.
 - b. Location requires a range name, or choose existing location.
Optional fields used for navigation and contacting match directors.
 - c. Neither of these options are allowed to contain commas
4. Save.

The image shows a dark-themed interface for configuring a rifle. On the left, there are fields for 'Date*' (07/05/2023), 'Offhand*' (0), 'Sitting' (0.00), 'R-Prone' (0.00), 'S-Prone' (0.00), 'Rifle*' (SR), and 'AGG*' with buttons for 200, 300, 400, 500, 600, 800, and 1,000. On the right, there are fields for 'Yards*' (50, 100, 200, 300, 600), 'Location*', 'Match', 'Elevation' (0.0, 0.0, 0.0, 0.0), 'Load', 'Notes', and 'Name'. The '300' yard button and the '800' AGG button are highlighted in blue.

3. Add New Rifle

Firearms are added in the context of pairing a rifle with a match entry. Once added, that firearm will be available as a selectable choice for future matches.

To add a new rifle name:

1. In the "Add or Search" section, enter your new selection at the top.
2. Click "Use" and then "Done".
Selection is now available from the pull-down menu.

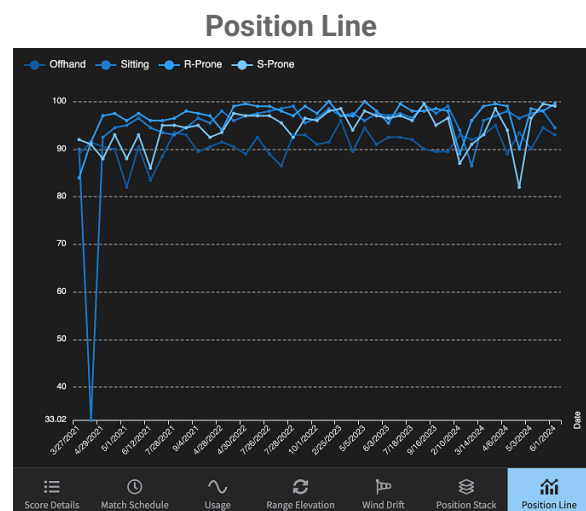
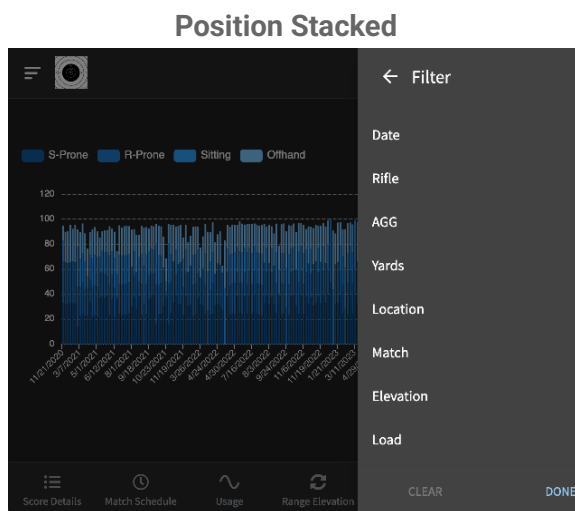
The image shows a 'Rifle' dialog box. At the top, there is a search bar with the text 'Add or search' and 'my new rifle' entered. Below the search bar, there is a button with a plus sign and the text 'Use 'my new rifle'' followed by 'Step-2'. At the bottom right, there is a button with the text 'Step-3' and 'Done'. The search bar and the 'Use' button are highlighted with yellow boxes.

4. Graphing & Filters

As completed matches accumulate, you may want to focus on specific aspects when graphing results. Most descriptive items entered for a match can be used as filters when viewing results.

Depicted below in the Position Stack graph, with filter options on the right. Each field in this box is a filter criterion that you can use to include or exclude data points. Graph updates based on selections. Position Line graph is shown on the right half. Filters can be used on both graphs to drill into the area of interest.

Note: Entries which have data populated for all four shooting positions are the only items shown. If you have an entry which omits one or more positions, it will not be considered for graphing. To force it to show up, you may put fake data in those positions to overcome this limitation.



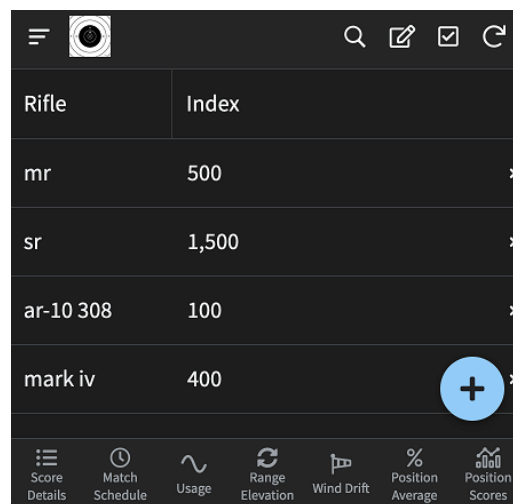
5. Round Count

Usage ⇒ Round Count

When Rifle and AGG details are populated in match entries, the system automatically tallies the fired rounds for each rifle.

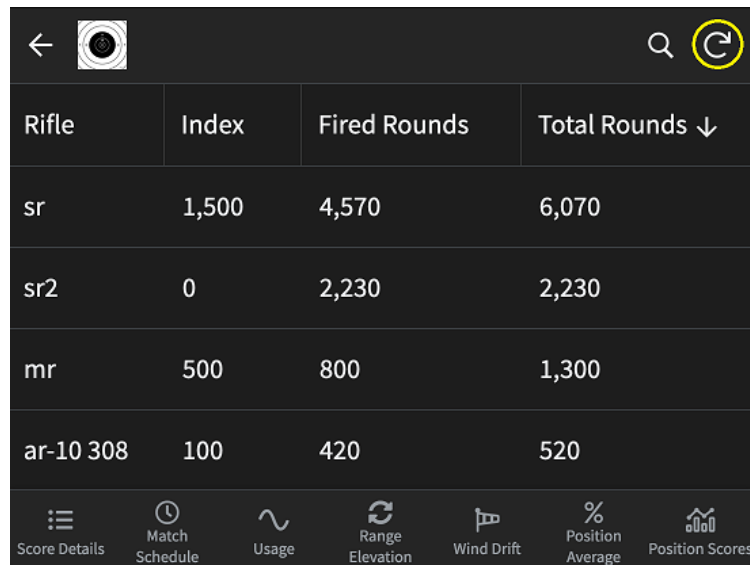
You can provide starting index values for specific rifles, which are added to the computed totals. Note that changes to index values may take up to 5 minutes to appear due to data caching.

Index values can also be used to account for sighter shots. Since the number of sighters varies and cannot be predicted, these are not added automatically. If you want that level of accuracy, manually add the total number of sighters fired to the rifle's index value.



Rifle	Index
mr	500
sr	1,500
ar-10 308	100
mark iv	400

Index entries (top)



Rifle	Index	Fired Rounds	Total Rounds ↓
sr	1,500	4,570	6,070
sr2	0	2,230	2,230
mr	500	800	1,300
ar-10 308	100	420	520

Score Details Match Schedule Usage Range Elevation Wind Drift Position Average Position Scores

Round count (bottom)

Portions of the app are not expected to change frequently; data may be cached for up to 5 minutes. If you save changes and don't see them reflected on the following screens, click the reload button at the top, **circled in yellow** on the bottom image.

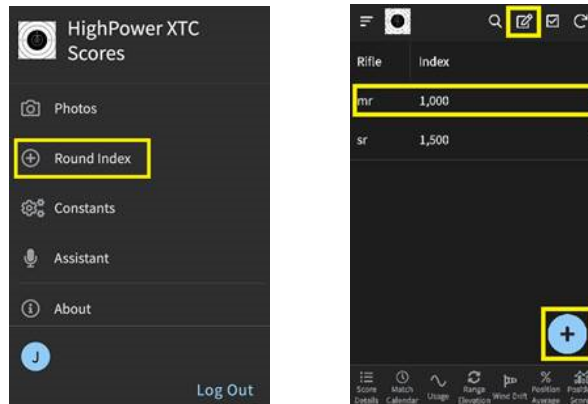
6. Round Indexing

Menu ⇒ Round Indexing

Round indexing is found in the top-left three-line menu. Click it ⇒ Round Index. To add a new index, click the plus sign. Then, select a gun name and round number.

Edit or add entries:

- The pencil icon at the top allows editing existing entries in-place.
- Clicking on a specific entry opens entry detail; Use pencil icon to edit.
- Click the plus symbol at the bottom to add a new entry.



Invalid Name:

Firearms having no corresponding match entries will be shown in **RED** with a yellow exclamation. This indicates a typo or the entered firearm has no match entries currently. For incorrect names, delete the entry and recreate accordingly.

Rifle	Index	
mr	500	>
sr	1,500	>
ar-10 308	100	>
mark iv	400	>
Red Ryder	1,000	>

7. Schedule/Calendar

See all your upcoming matches on the calendar. Tap a match to view details like distance, Agg, and name. To enroll, click the Enroll button at the top.

You may text or email match details to a friend using buttons as the top of a scheduled entry, as shown in **yellow** below.

Schedule entry:

EMAIL

TEXT

ENROLL

Date

11/9/2023

Range

Talladega

Distance

600

Agg

300

Detail

Dixie Doubles

Match Calendar/Schedule:

☰

📷

🔍

🔄

⋮

Day

Week

Month

TODAY

<

November 2023

>

S	M	T	W	T	F	S
			01	02	03	04 Oak Ridge-HP7-80 Polk County-Pract Riverside-Smallbe
05 Belton-XTC-800 Oak Ridge-HP7-80	06	07 Talladega-XTC-800 Talladega-GSMM-4	08 Talladega-Team-9 Talladega-34500-9	09 Talladega-Dixie Do Talladega-Congret	10 Talladega-EIC-509 Talladega-GSMM-4	11 Camp Lejeune-34 Catawba Valley Wil
12 Camp Lejeune-2x4 Mid Carolina Gun	13	14	15	16	17	18 Polk County-XTC-8 Riverside-Center Rowan County-Wil
19 +3 more	20	21	22	23	24	25 Palmetto +1 more
26 Mid Carolina Gun	27	28	29	30		31 Polk Co Riverbe Riverside-Smallbe

☰

🕒

📶

🔄

🚩

%

%

📊

🏆

Score Details

Match Schedule

Usage

Range Elevation

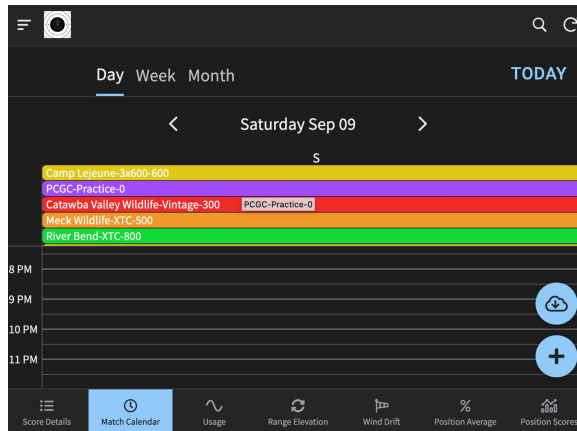
Wind Drift

Position Average

Graph Average
Scatter Plot

Peabson Scores

Multiple matches on same day:

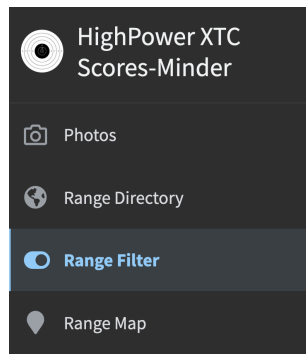


8. Filter Schedule/Calendar by State

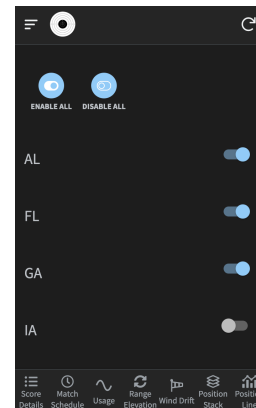
To minimize schedule clutter enable/disable selected state's matches from showing up. Toggle state ON/OFF by using 'Range Filter' on the hamburger menu in upper left.

Status indicators showing whether a state is enabled/disabled are found in **Range Directory** and **Range Map**. Enabled ranges marker is shown in **RED**, disabled ranges have **BLACK** markers.

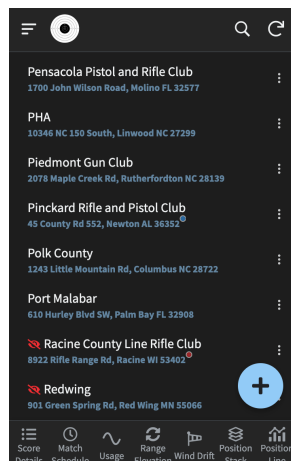
Step-1: Range Filter



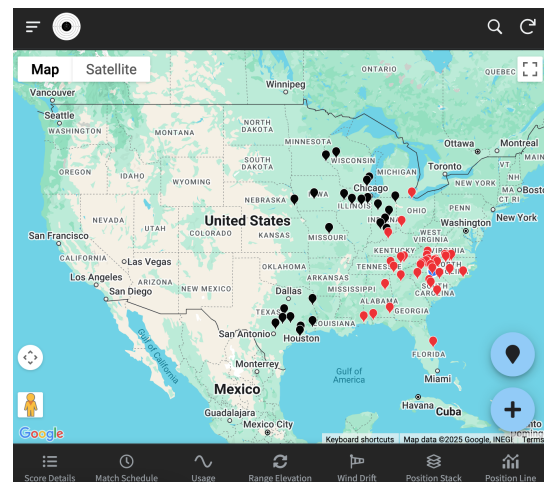
Step-2: Enable/Disable



Range Directory Status Indicator



Range Map Status Indicator



Troubleshooting

If schedule entries do not show up on the calendar, verify the following:

- State is enabled in 'Range Filter'. Disabled states will be shown in **BLACK** as depicted above.
- Verify the address field in 'Range Directory' contains valid two-letter state code. Without a valid state code the range will not appear regardless of valid match entries assigned to it. The two-letter state abbreviation must be included in the address field. See valid examples below:
 - ☐ City, ST Zip
 - ☐ City, ST
- "My state is not shown in **Range Filter** as an option": Only ranges which have matches on the schedule/calendar show in **Range Filter**. This prevents clutter of states showing up which have no scheduled entries.

NOTE: To prevent a specific range within enabled states from displaying matches on calendar, you must violate the rules above. Edit the range you want omitted by changing two-digit state code to be "XX-" instead of "XX". Alternatively, delete the state code entirely to achieve the same result.

9. Practice Sessions

Create a match entry for practice as follows:

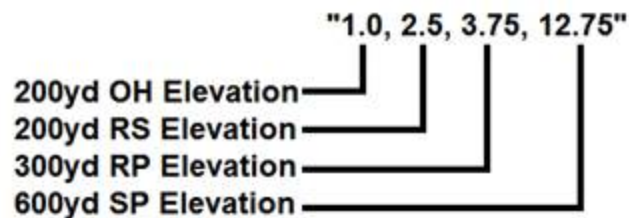
- Match name: Practice
- Aggregate: 800 (Or whatever matches the number of shots fired)
- Score: Optional

This ensures that the round count for the rifle selected is accurately recorded, and the match entry can be used for scoring if desired.

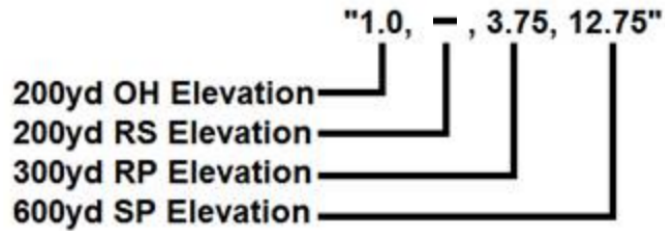
Offhand	93.00
Sitting	94.02
R-Prone	100.04
S-Prone	99.06
Rifle	Modern Military
Score	386.12
Average	96.50
Yards	200
AGG	400
Match	Practice

10. Elevation

Record offhand, sitting, rapid-prone, and slow-prone elevations together as one entry, with CSV formatting detailed below. Format a CSV string as such: **"1.0, 2.5, 3.75, 12.75"**, where each position corresponds to: 200yd, 200yd, 300yd, 600yd elevation respectively. When a new match is entered, the default is: "0.0, 0.0, 0.0, 0.0". Modify accordingly to track settings for range, rifle, load, etc...

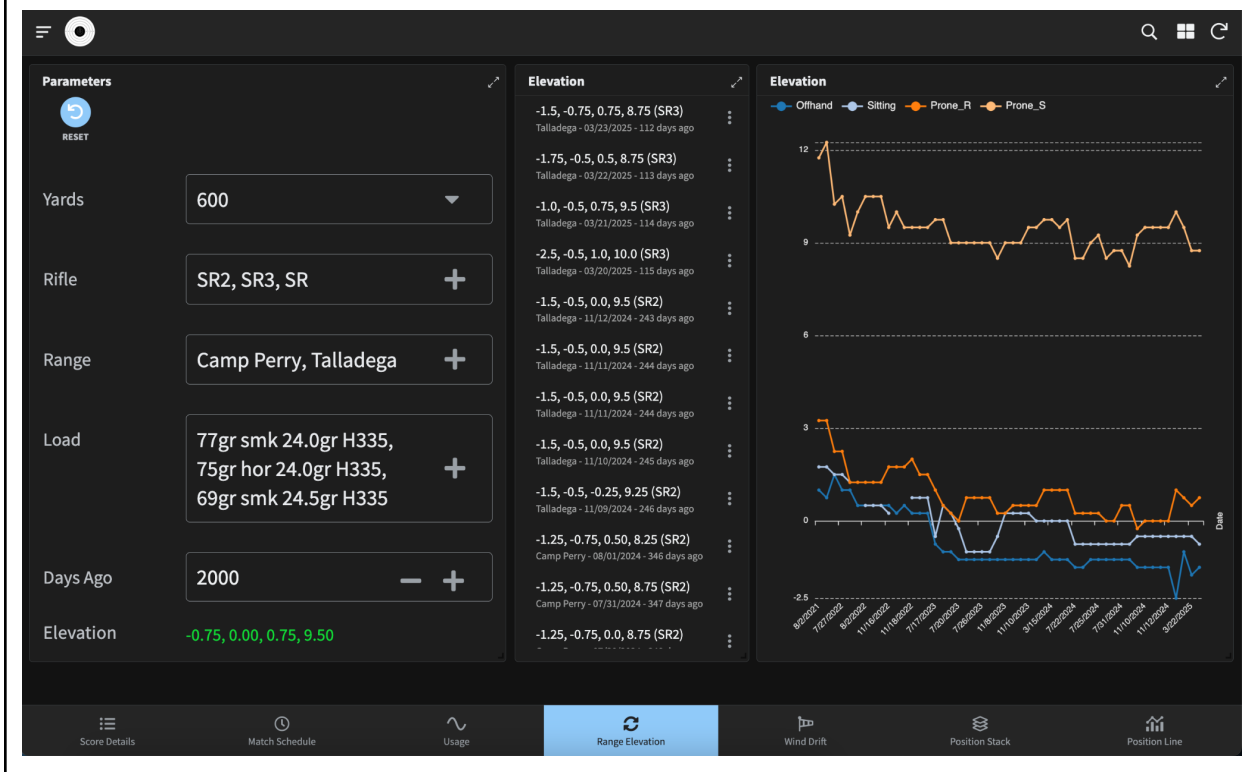


If you do not fire a sitting string, enter the data as follows: "1.0, -,3.75,12.75". Entering data in this format is required to keep elevations aligned with the respective yard line.



Graphing elevation settings, tied to a specific distance, rifle, location, and load. The more data you enter for each match, the more granular you can tune the parameter section for Range Elevation.

Select one or more values for each filter, or leave blank to include all values.



11. Elevations Not Graphing

Possible issues when elevations are not being graphed.

Spaces before or after commas do not prevent elevation graphs from working. Due to font size on mobile devices suggest adding spaces for better readability.

Troubleshooting

1. Ensure following conditions are met:
 - a. Score > 0
 - b. Elevation in CSV format
 - c. Load cannot be null

Error shown when elevation present with no load defined:

Elevation  0.0,0.0,3.0,11.0

2. Were the entries not being graphed just recently added? If so, this could be a data caching issue. Click the reset button in the upper right.
3. Click elevation ⇒ parameter. Ensure filters are removed by clicking 'Reset'. Anything chosen is a limiting filter; choosing nothing shows all results.
4. You may request the application admin to verify your data to ensure correct format/alignment of elevation settings. This comes after you perform all troubleshooting steps in this document.

Examine the 'Elevation' column in 'Match-Data'. Entries not conforming to a 4-field CSV, matching this regex:  will be highlighted in RED indicating there is a content format problem.

5. Indication this is a CSV formatting error is shown on elevation field when editing match entries. Valid entries must have three commas, and may have data between. Below are examples of proper and improperly formatted values:

 1 1 3 12	CSV Format Error
1.0, 1.25, 3.0, 12.0	Correct
-, -, -, 12.0	Correct
200yd zero plus, 0, 0, 35	Correct

12. Elevation Auto-Compute

When a new match shares identical criteria with a prior match, the previous elevation is used

as the starting point for the new one. For this to occur, the following fields must match exactly: **Rifle, Load, Yards, and Location**.

After saving a new match entry, two additional fields will appear when viewing the record. If you accept the suggested elevation, it will be copied into the elevation field, which can then be manually adjusted if needed.

This suggestion is only applied if all required criteria are met and the elevation field is initially blank. To generate a new elevation recommendation, simply clear the elevation field and save the record again.

Elevation Suggestion

← ○

CREATE COPY ACCEPT ELEVATION SEND TEXT MESSAGE EMAIL RESULTS

Rifle SR2

Location Camp Perry

Score 0.00

Yards 600

AGG 800

Match XTC

Load 77gr smk 24.0gr

Elev Rec -1.25, -0.75, 0.50, 8.25

☰ ⌚ ~ ↺ 🚩 📊 📈

Score Details Match Schedule Usage Range Elevation Wind Drift Position Stack Position Line

Elevation Accepted

← ○

CREATE COPY SEND TEXT MESSAGE EMAIL RESULTS

Rifle SR2

Location Camp Perry

Score 0.00

Yards 600

AGG 800

Match XTC

Load 77gr smk 24.0gr

Elevation -1.25, -0.75, 0.50, 8.25

☰ ⌚ ~ ↺ 🚩 📊 📈

Score Details Match Schedule Usage Range Elevation Wind Drift Position Stack Position Line

13. Sitting: Score not shown

Sitting position is not scored in matches containing the following words contained within the match name. Entering scores for sitting is not allowed when the match's name contains:

- GSMM
- Garand
- Modern-Military
- Vintage
- Doubles
- Presidents
- Congressional

Note: If this condition is found to produce a conflict where the sitting position is required, please advise [application admin](#).

14. Scoring Components

You may score non-highpower matches within the app, as any multi-stage score format will work. Labels associated with position scores change from: Offhand, Sitting, Rapid Prone, Slow Prone to: String-1, String-2, String-3, String-4 when the match name matches:

- Sniper
- Smallbore
- 2x600
- 3x600
- 2x1000
- Pistol

Matches of this type can also be graphed, however graph labels will not reflect the string names above. This is a current limitation which requires additional consideration on how to best resolve.

Note: If additional matches exist where using this format makes sense, please advise [application admin](#).

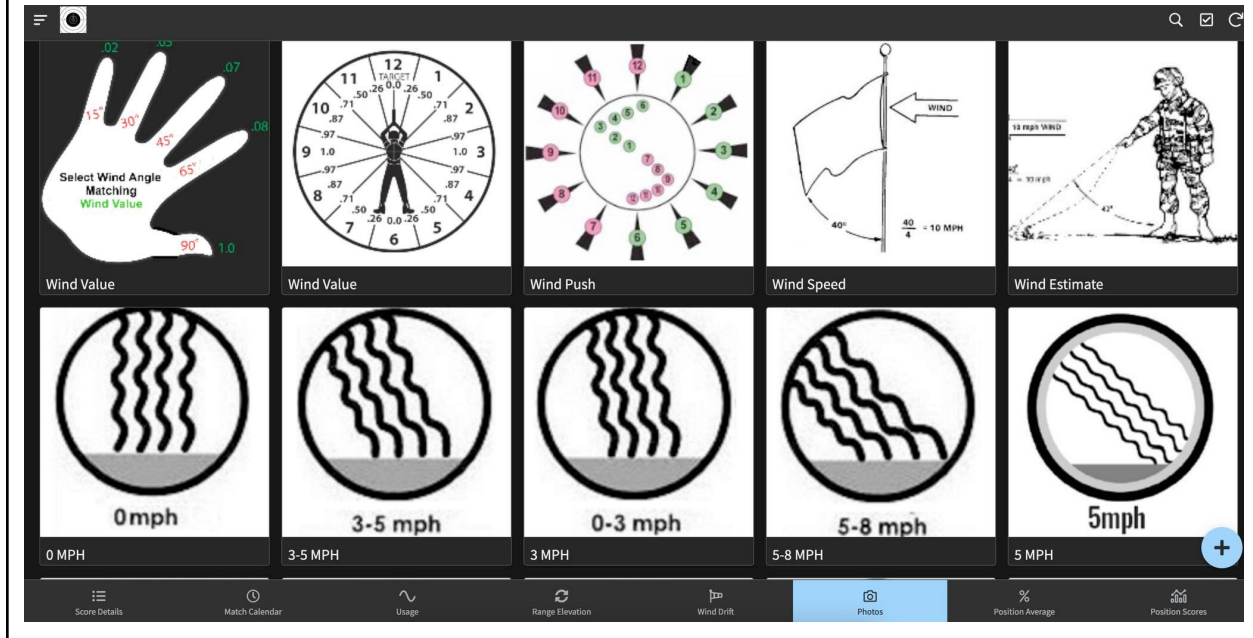
15. WindDrift Reference Image

Can the image displayed on WindDrift ⇒ Conditions be modified?

Image displayed on winddrift ⇒ conditions, from the gallery is the image with the lowest

display order. To modify, click the image you want to be default and edit to set a lower display order than the current default image.

If the current default photo has a display order of zero, it will need to be increased first.



16. Usage Statistics

Usage ⇒ Stats

Performance statistics are located in: Usage⇒Stats by year. XTC stats are calculated from 500/800/1000 aggregate matches with non-null data for all four positions. Highest and lowest values are colored green and red respectively for averages. Click the up/down arrow in the upper right of this pane to enlarge.

GSMM, F-class, smallbore, practice, benchrest, air rifle, pistol, and other match scores can be entered and graphed, but those will not be evaluated related to yearly XTC statistics.

Yearly XTC Averages (by User)

Name	Year	Matches	Average	OH	RS	RP	SP	X total	Xoh	Xrs	Xrp	Xsp
Default	2,021	33	90.85	89.68	89.53	88.65	93.61	368	42	78	95	153
Default	2,022	37	94.99	91.23	96.55	94.76	96.46	567	53	146	162	206
Default	2,023	36	94.91	91.64	96.38	93.47	97.13	579	55	136	137	251
Default	2,024	9	94.54	92.61	94.11	96.72	94.56	167	22	32	45	68

Score Details
 Match Schedule
 Usage
 Range Elevation
 Wind Drift
 Position Average
 Position Scores

Yearly XTC Average (by rifle)

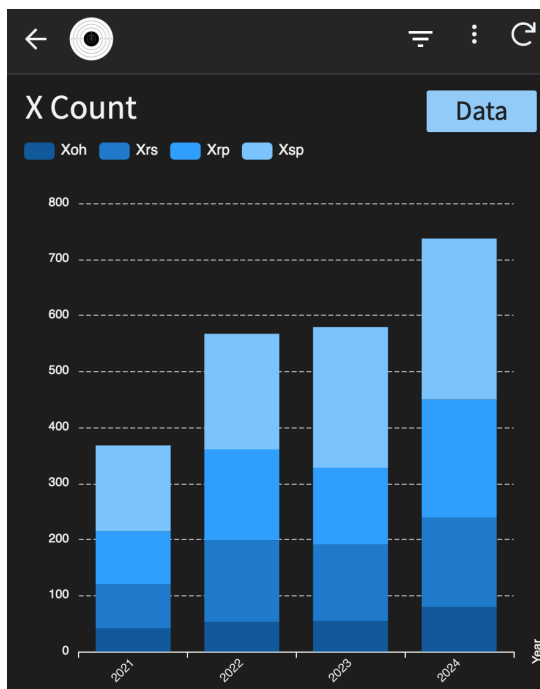
Rifle	Year	Matches	Average	OH	RS	RP	SP	X total	Xoh	Xrs	Xrp	Xsp
M1	2,022	1	92.20	82.00	90.00	97.00	96.00	4	1	0	2	1
MR	2,021	7	89.63	90.64	83.79	93.71	91.14	73	10	16	22	25
Modern Military	2,022	1	96.80	90.00	96.00	100.00	99.00	13	0	1	8	4
Modern Military	2,023	2	93.30	89.00	91.00	96.00	95.25	18	2	1	5	10
Modern Military	2,024	5	93.79	92.50	94.20	95.00	93.60	84	8	16	26	34
SR	2,021	26	91.18	89.42	91.08	87.29	94.27	295	32	62	73	128
SR	2,022	22	94.79	92.34	96.75	92.66	96.52	354	40	85	98	131
SR	2,023	11	94.65	92.27	97.05	90.05	98.50	212	17	57	58	80
SR2	2,022	13	95.38	90.15	96.77	97.73	96.19	196	12	60	54	70
SR2	2,023	23	95.18	91.57	96.52	94.89	96.63	349	36	78	74	161
SR2	2,024	4	95.49	92.75	94.00	98.88	95.75	83	14	16	19	34

Score Details
 Match Schedule
 Usage
 Range Elevation
 Wind Drift
 Position Average
 Position Scores

Yearly position averages graphed



Yearly XTC X-Count per position



17. Load Data

Load data is essential for calibrating your rifle to perform optimally with a specific bullet and powder combination. Correlate performance with elevation data to obtain proper dope for your rifle, load, and location.

Different bullets and powder combinations have different properties, such as weight, velocity, pressure, and temperature sensitivity. By entering your load data, this ensures you are getting the most accurate and consistent shots possible. You may filter graphs and score details by using a specific load as a filter.

You may enter any description in the load data field, but it is important to be consistent. For example, if you have a load called "Snoopy" that corresponds to a 77gr SMK bullet with 24gr of XYZ powder, make sure that you always enter "Snoopy" in the load data field when you are using that load.

Examples load data entries

- 77gr SMK 24gr XYZ + 80.5gr 23gr ZZZ
- 80gr SMK 23gr ZZZ

- 69gr SMK 24gr XYZ
- Snoopy

Tips for entering load data

- Be consistent, always use "gr" for grains and "mg" for milligrams.
- Be specific about components used. Instead of: "Sierra MatchKing," specify exact weight and type of bullet, such as "69gr SMK BTHP."
- Enter the full name of the powder. For example, "IMR 4350" instead of "4350".

18. Score Format

Format of each position is: **[Integer Score].[X-count]**

X-count is left-padded with zero in the tenths position. For example, a score of 99 with 5 X's is recorded as: **99.05**. Not to be confused with **99.50**, which represents 50 X's.

Adjust X-count by pressing +/- button to the right of the score.

Offhand*	89	-	+
Sitting	99	-	+
R-Prone	100.04	-	+
S-Prone	197.09	-	+

When total X-count is higher than the AGG (impossible), an error will be displayed. This generally means one or more strings has an invalid x-count value. Check the decimal place of the number entered to ensure correct formatting.

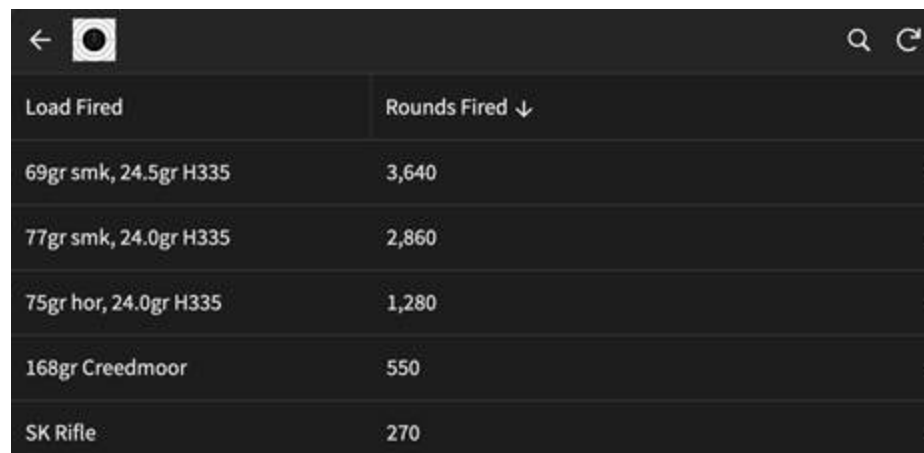
< Score **! 290.85**

19. Load Statistics

Usage ⇒ Ammo Fired

Accounting of loads fired. Compiled from past matches, counting number of rounds fired for each load combination, excluding sighting shots. Data shown covers all time periods.

Ensure all match entries have both **Agg** & **Load** fields populated, as this is what enables usage calculations.



Load Fired	Rounds Fired ↓
69gr smk, 24.5gr H335	3,640
77gr smk, 24.0gr H335	2,860
75gr hor, 24.0gr H335	1,280
168gr Creedmoor	550
SK Rifle	270

20. Ammo Required

Usage ⇒ Required Ammo

Required Ammo shows how much ammo is required for upcoming matches, based on the **AGG**, **yardage**, and **load** for each match. This section requires all upcoming matches have these three details defined. **Should the criteria not be met, this view will not be shown.**

Matches meeting this criteria will be shown with a '+' to the left on the score detail screen. Any match missing one or more details and Required Ammo section will not be calculated for matches missing required data.

Once enrolled in a match from the schedule/calendar or manually entered a match from the Score Detail screen, it will appear in the Required Ammo section (within 5 minutes due to cache refresh) up to the point the match score is greater than zero. As you score matches, ammo requirements update, thus removing them from the required load list.

Example: Three upcoming matches

Match	Agg	Yards	Load
1. XTC EIC	500	600	77gr, 24gr X
2. Smallbore	250	50	SK Rifle
3. XTC	800	300	77gr, 24gr X

Upon entering score for Match-1, **Required Ammo** updates by removing 50 rounds of '77gr, 24gr X' from the required load list.

Required Ammo Example:

The screenshot shows a mobile application interface. On the left, a list of matches is displayed with dates and locations. The main area shows a detailed view of a match, including a table with columns for 'Short line', 'Long line', and 'Required Load'. The table shows two rows of data: one for '77gr smk, 24.0gr H335' and another for '175gr SMK, 44.0gr RL-15'. The bottom of the screen features a navigation bar with icons for 'Score Details', 'Match Schedule', 'Usage', 'Range Elevation', 'Wind Drift', 'Position Average', and 'Position Scores'.

Short line	Long line	Required Load ↑
340	110	77gr smk, 24.0gr H335
0	138	175gr SMK, 44.0gr RL-15

21. Application Upgrades

Beta testing phase procedure:

1. Ask the [application admin](#) to be upgraded, wait for confirmation email.
2. Remove existing bookmark/shortcut/Link from existing device.
3. Follow instructions, skipping installation of Appsheet on mobile devices.

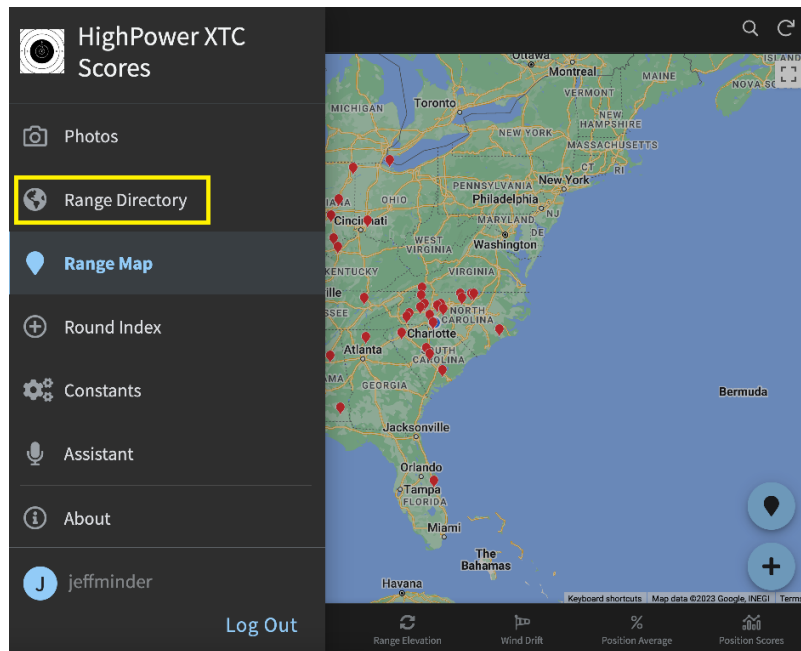
22. About Screen

In the About screen is there a place to put NRA & CMP numbers?

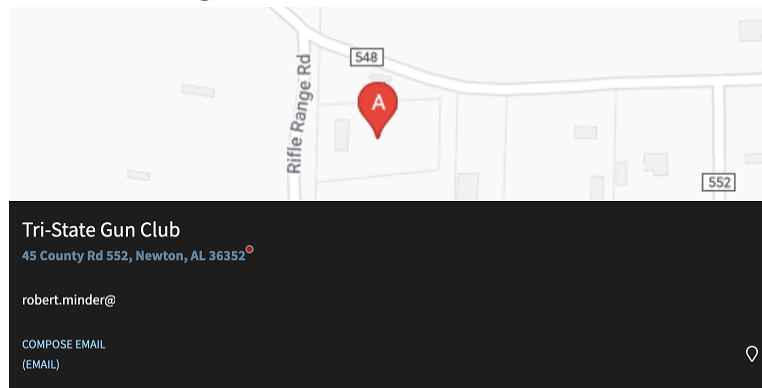
Email [application admin](#) with your information to have this info added.

23. Usage Statistics

From the Usage tab on the bottom of the screen you may view all usage and statistics sections. When viewing on devices with larger screens, an overview is displayed of all sections. On smaller devices, tabs for each section will be at the top of the screen to switch between sections. Clicking within a section expands it.



Range with location & contact details



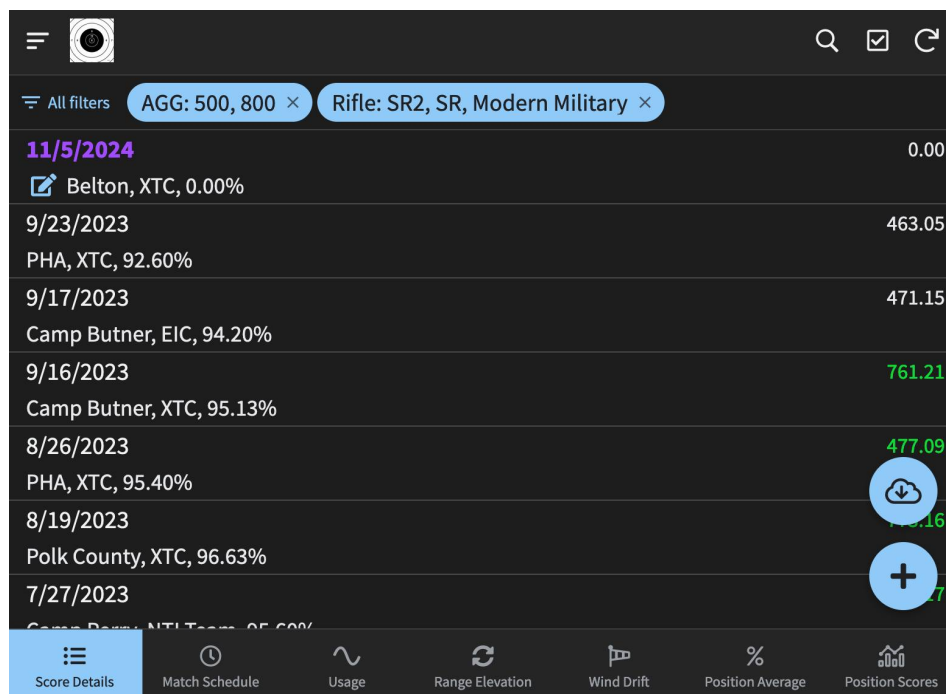
25. Notes & Match Conditions

Notes field is used for additional match details without an existing field. Matches containing notes are identified by the pencil icon next to the location as shown below. Searching for a specific word returns all matches containing the searched item. Details within the notes field have no graphs, equations, or other calculations associated with

them; they are optional and may contain any info desired. **If there is a use case to use this data analytically, please make the [application admin](#) aware of it.**

Suggested use:

Wind direction/speed	Lighting Conditions
Gear problems	Humidity
Altitude	Temperature
Barometric pressure	Position changes
What went well/wrong	Competitor accomplishments
Chronograph data	



The screenshot shows a mobile application interface for tracking scores. At the top, there are filter buttons: "All filters", "AGG: 500, 800", and "Rifle: SR2, SR, Modern Military". Below the filters is a list of scores with columns for date, location, and score. The scores are as follows:

Date	Location	Score
11/5/2024	Belton, XTC, 0.00%	0.00
9/23/2023	PHA, XTC, 92.60%	463.05
9/17/2023	Camp Butner, EIC, 94.20%	471.15
9/16/2023	Camp Butner, XTC, 95.13%	761.21
8/26/2023	PHA, XTC, 95.40%	477.09
8/19/2023	Polk County, XTC, 96.63%	761.16
7/27/2023	Camp Perry, NTC, 95.60%	761.17

At the bottom, there is a navigation bar with icons for "Score Details", "Match Schedule", "Usage", "Range Elevation", "Wind Drift", "Position Average", and "Position Scores".

26. Tracking Leg Points

To track when you earn [EIC Leg points](#) associated with a specific match put “**x EIC Leg points**” in the notes field. Searching for “Leg” to find matches where EIC points were earned, from entry notes.



Date	Score	Location
10/23/2022	485.16	Palmetto Gun Range, EIC, 97.00%
5/22/2022	477.12	Camp Butner, EIC, 95.40%
5/1/2022	477.16	Camp Butner, EIC, 95.40%
11/19/2021	477.09	Talladega, EIC, 95.40%
7/31/2021	378.11	Camp Perry, SAFS, 94.50%

27. Wind Drift

This section has two modes of operation, related to cell signal (data) connection requirements.

1. Cell/data connection required

If you have a data connection, only the top two sliders on the left are required. Make your selection, then wait until “updating...” disappears. Now click the tab for “MOA Adjustment” to see the resulting table. Find your bullet and scroll down to the yard line of interest.

2. Cell/data Connection NOT required

All four sliders in the left pane give the resulting MOA adjustment at the bottom left. This method does not require an active data connection. It can be used at the range with or without a cell signal.

Conditions

Wind Speed * 12

Wind Value * 0.25

Wind Value Reference

Yards (100s) 3

Constant 10

MOA 0.90

MOA Adjustment

Yards	80gr+	80gr	77gr	75gr	73gr
200	0.5	0.5	0.6	0.6	0.6
300	0.7	0.8	0.9	0.9	0.9
600	1.4	1.5	1.8	1.8	1.8
800	1.8	2.0	2.4	2.4	2.4
1,000	2.3	2.5	3.0	3.0	3.0

Photos

Select Wind Value Matching Wind Angle

Wind Value

Wind Value

Wind Push

Point of Aim

Wind Push

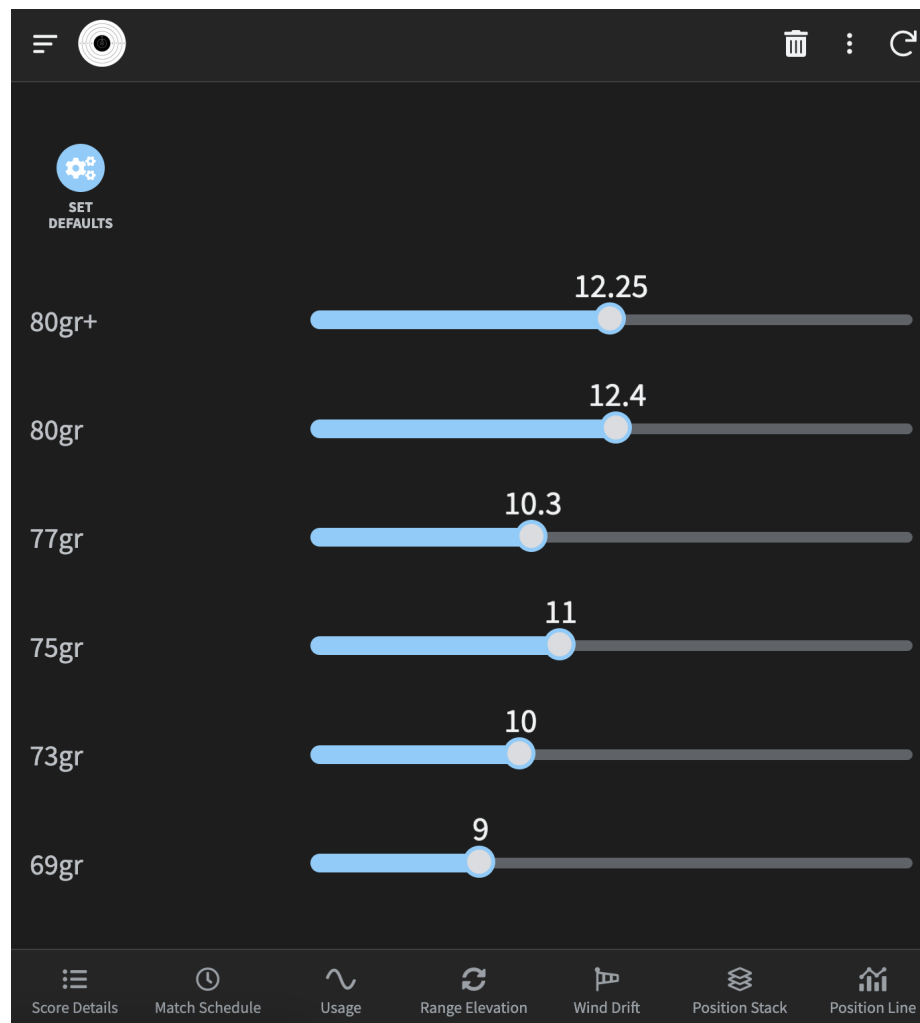
Point of Aim

Score Details Match Calendar Usage Range Elevation **Wind Drift** Position Average Position Scores

28. Ballistic Constants

Ballistic constants can be changed to make calculations per bullet/weight. Click the hamburger menu button in top left, then click constants. Typically these DO need changing to suit your loads. If you change from the default values, a reset button will appear. Pressing reset reverts modified values to default values. Default values based on the following criteria.

- Muzzle velocity: 2800 fps
- Sight to Bore distance: 2.5"
- Temp: 85 degrees F



No requirement for you to do the math; however some like to know how this section works. Equation used to calculate wind drift is shown below:

$$MOA = \frac{(WS)(WV)(Yards/100)}{(C)}$$

Legend: *WS = WindSpeed*

WV = WindValue

Yards/100 = # of 100 yards

C = Constant

MOA = Minute of Angle

29. Elevation Hard-Copy

Ask the [application admin](#) for a PDF like the example below.
Example compiled from sample data as a reference.

Date	Yards	Rifle	Location	Load	Elevation-OH	Elevation-RS	Elevation-RP	Elevation-SP
2025.04.30	1000	6.5x284	Camp Butner	140gr Nos 48gr aa4350	0.00	0.00	0.00	0.00
2025.04.29	1000	6.5x284	Camp Butner	140gr Nos 48gr aa4350	0.00	0.00	0.00	0.00
2024.11.16	1000	6.5x284	Camp Butner	140gr Nos 48.6gr aa4350	0.00	0.00	0.00	0.00
2024.11.16	1000	6.5x284	Camp Butner	140gr Nos 48.6gr aa4350	0.00	0.00	0.00	0.00
2024.02.25	600	Modern Military	Camp Butner	k 24.2gr Varget + 80.5gr 24g	9.00	17.00	28.00	56.00
2025.09.13	600	SR3.JS	Camp Butner	gr smk 24.0gr H335; 88gr 24	0.00	1.50	3.25	12.50
2024.05.02	600	Modern Military	Camp Butner	77gr smk 24.0gr H335	9.00	18.00	23.00	46.00
2024.05.01	600	Modern Military	Camp Butner	77gr smk 24.0gr H335	10.00	18.00	21.00	44.00
2024.02.24	600	Modern Military	Camp Butner	77gr smk 24.0gr H335	5.00	16.00	21.00	46.00
2024.09.15	600	SR0	Camp Butner	77gr smk 24.0gr H335	18.00	18.00	25.00	57.00
2024.09.14	600	SR0	Camp Butner	77gr smk 24.0gr H335	21.00	20.00	25.00	58.00
2024.06.30	600	SR2	Camp Butner	77gr smk 24.0gr H335	-1.25	-1.00	-0.25	9.25
2024.06.29	600	SR2	Camp Butner	77gr smk 24.0gr H335	-1.75	-1.00	0.00	9.25
2024.05.04	600	SR2	Camp Butner	77gr smk 24.0gr H335	-1.00	-1.00	0.25	9.25
2024.05.03	600	SR2	Camp Butner	77gr smk 24.0gr H335	-1.25	-1.00	-0.25	9.25
2023.09.17	600	SR2	Camp Butner	77gr smk 24.0gr H335	-1.75	-1.00	0.50	9.25
2023.09.16	600	SR2	Camp Butner	77gr smk 24.0gr H335	-1.75	-1.00	0.50	9.25
2023.05.07	600	SR2	Camp Butner	77gr smk 24.0gr H335	0.00	0.00	0.50	9.25
2023.05.06	600	SR2	Camp Butner	77gr smk 24.0gr H335	0.00	0.00	0.25	9.50
2023.05.05	600	SR2	Camp Butner	77gr smk 24.0gr H335	-0.25	0.00	0.25	9.50
2023.05.04	600	SR2	Camp Butner	77gr smk 24.0gr H335	-0.25	0.25	0.50	9.50
2023.05.03	600	SR2	Camp Butner	77gr smk 24.0gr H335	-0.25	0.50	1.25	9.25
2022.09.10	600	SR2	Camp Butner	77gr smk 24.0gr H335	0.50	1.50	1.75	10.00
2025.05.04	600	SR3	Camp Butner	77gr smk 24.0gr H335	-1.75	-1.00	1.00	9.00
2025.05.03	600	SR3	Camp Butner	77gr smk 24.0gr H335	-1.75	-1.50	0.75	9.00
2025.05.02	600	SR3	Camp Butner	77gr smk 24.0gr H335	-1.75	-1.25	0.50	9.75
2025.05.01	600	SR3	Camp Butner	77gr smk 24.0gr H335	-1.75	-1.25	0.50	9.75
2025.04.30	600	SR3	Camp Butner	77gr smk 24.0gr H335	-1.75	-0.25	0.75	9.25
2025.04.13	600	SR3	Camp Butner	77gr smk 24.0gr H335	-1.75	-0.25	1.00	10.50
2025.04.12	600	SR3	Camp Butner	77gr smk 24.0gr H335	-1.25	-1.25	1.00	9.25
2022.05.22	600	SR	Camp Butner	75gr hor 24.0gr H335	1.25	1.75	2.25	12.00
2022.05.21	600	SR	Camp Butner	75gr hor 24.0gr H335	1.25	1.50	2.00	11.75
2022.05.01	600	SR	Camp Butner	69gr smk 24.5gr H335	1.50	2.25	2.25	12.50
2022.04.30	600	SR	Camp Butner	69gr smk 24.5gr H335	1.50	2.25	2.25	12.50
2022.04.29	600	SR	Camp Butner	69gr smk 24.5gr H335	1.50	2.25	2.25	12.50
2022.04.28	600	SR	Camp Butner	69gr smk 24.5gr H335	1.00	2.25	2.50	12.50
2022.02.26	600	SR	Camp Butner	69gr smk 24.5gr H335	1.00	2.00	3.75	14.75
2021.09.19	600	SR	Camp Butner	69gr smk 24.5gr H335	1.00	2.00	3.75	13.00
2021.06.13	600	SR	Camp Butner	69gr smk 24.5gr H335	1.50	2.25	2.25	12.50
2021.06.12	600	SR	Camp Butner	69gr smk 24.5gr H335	1.50	2.25	2.25	12.50
2021.05.02	600	SR	Camp Butner	69gr smk 24.5gr H335	1.00	2.25	2.50	12.50
2021.05.01	600	SR	Camp Butner	69gr smk 24.5gr H335	1.50	2.25	2.25	12.50
2024.04.30	600	1903a1	Camp Butner	175gr SMK 57.0gr H4350	300yd zero plus	0.00	0.00	10.00
2025.04.29	600	1903a1	Camp Butner	175gr SMK 56.0gr H4350	300yd zero plus	0.00	0.00	9.25
2023.06.25	600	AR-10 308	Camp Butner	175gr SMK 44.0gr RL-15	200yd zero plus	0.00	0.00	35.00
2023.04.29	600	AR-10 308	Camp Butner	168gr SMK 43.6gr RL-15	200yd zero plus	0.00	0.00	35.00

30. No Cell Service

To use offline, ensure you have an internet connection when the app first launches. This will allow the app to cache data and continue functioning even if you lose signal.

Once initialized, app refreshes latest match data; then continues normal use if network signal is lost afterward. Changes made during signal loss are queued for synchronization when an internet connection is restored.

Portions of the app, such as [Wind Drift](#) have been designed to work with or without connectivity.

31. Multi-User

Methods to accommodate multiple users:

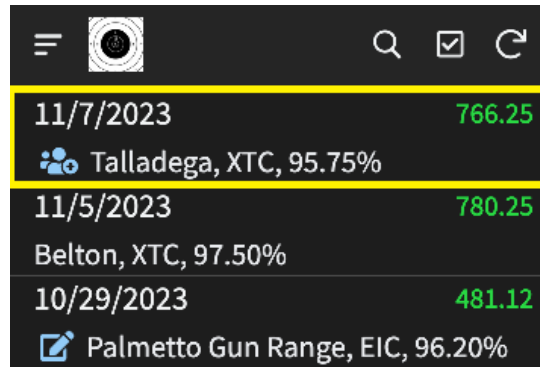
1. Separate App instance dedicated to each user. This works best when you do not want users to interact with other's data. All app features work, using this method. You may share your app url with a coach if desired. Effectively the same as option #2 below, but limited to a user and a coach, versus many users and a coach.
2. Multiple users share one app instance, with each having it installed on their mobile device or viewed on a PC. This model works best in a team setting and may include a coach to view/edit details as well. To differentiate users data from another, utilize the 'Name' field within match entries to designate to whom the entry applies. When graphing, select 'Name' as a filter to isolate one user's scores from another's.

Which method used should be discussed with the [application admin](#) to ensure what you want best suits your needs.

Method	Pros	Cons
#1 Multi Instance (one per user)	• All app features accessible • Data isolation between users	• Multiple places for team coaches to view each user's performance.
#2 Single Instance (shared)	• Multiple users use one app instance. • Team coaches can see all users' data in one place.	• Some features currently do not perform calculations as required per user, such as round count, stats, other usage related stats.

Match entries utilizing the <Name> field are indicated by a blue multi-user icon as shown in

the highlighted example below.



11/7/2023	766.25
 Talladega, XTC, 95.75%	
11/5/2023	780.25
Belton, XTC, 97.50%	
10/29/2023	481.12
 Palmetto Gun Range, EIC, 96.20%	

32. Importing Prior Data

Importing prior match data rather than manual entry is possible.

1. Copy [Sample Data File](#)
Data example showing format your data must be converted to.
Delete sample entries before submitting.
2. Insert your data, matching format accordingly.
If you do not have data to use in a specific field leave it blank.
3. Email updated file to [application admin](#).

You will receive an email when ready. Typically this takes one to two days. If you haven't received any response after this time, email or call to verify your request was received.